Curtis State Office Building
1000 SW Jackson, Suite 410
Topeka, Kansas 66612-1367

Kansas Department of Health and Environment

Site Evaluation

Standard Products/ West Kellogg Wichita, Kansas
(C2-087-72515)

Bureau of Environmental Remediation

Our Mission: To protect and improve the health and environment of all Kansans

SITE EVALUATION

Standard Products/West Kellogg Site

Wichita, Kansas

Prepared by:
Kansas Department of Health and Environment
Bureau of Environmental Remediation
Remedial Section
Site Assessment Program

Date: March 2013

State ID: C2-087-72515

Project Manager: Jon Vopata, Environmental Scientist

Field Team Members:
Mike LaBuda, Environmental Technician

TABLE OF CONTENTS

1.0 Introduction

This document presents the findings of a Pre-CERCLIS Site Evaluation (SE) assessment conducted by the Kansas Department of Health and Environment (KDHE) at the Standard Products/West Kellogg site in Wichita, Kansas. The assessment was conducted as part of continuing cooperative agreement with the U.S. Environmental Protection Agency (EPA) to perform investigations of selected sites to evaluate potential or actual releases of hazardous substances, pollutants, or contaminants in Kansas. These investigations are performed under the authority of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) as amended by the Superfund Amendments and Reauthorization Act of 1986 and consistent with the National Oil and Hazardous Substances Pollution Contingency Plan (NCP) 40 CFR § 300.

2.0 Site Description and Location

The Standard Products/West Kellogg site is located at 7920 W. Kellogg Street in Wichita, Sedgwick County, Kansas. The property is within the southwest quarter of Section 28, Township 27 South, Range 1 West. The geographical coordinates for the property are latitude 37.673344° North, longitude -97.433751° West. Surrounding properties include commercial businesses to the west, east, and south, and residences to the northwest.

3.0 Site Background

3.1 History

According to Polk city directories the building at 7920 W. Kellogg was under construction in 1970. The first occupant on record was National Cash Register who continued to use the building until 1998. Decision One and Global Service Net then took occupancy of the building in 2003. The building is currently occupied by the United States Geological Survey, Castleberry Insurance, and Pratt Community College. The West Kellogg property historically has no known hazardous waste generator documentation (Reference 1).

3.2 Previous Investigations

In December 2009, the KDHE Bureau of Environmental Remediation, Remedial Section, Site Assessment program completed a Unified Focus Assessment (UFA) report of the Standard Products/West Kellogg site. The UFA was initiated to determine whether the Standard Products/West Kellogg property posed a threat to human health and the environment as a former radium dial shop facility. UFA field activities were conducted on September 29, 2009. Field activities included a screening field radiation survey and

the collection of groundwater and soil samples for the analysis of radium-226, volatile organic compounds (VOCs), and the eight Resource Conservation and Recovery Act (RCRA) metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver). Results of the UFA indicated there were no releases of radium-226 or RCRA metals to soil or groundwater at the Standard Products/West Kellogg property, however groundwater data suggested a release of tetrachloroethylene (PCE) with an onsite detection of 8.1 micrograms per liter (ug/L) (Reference 1).

4.0 Physical Setting

4.1 Land Use

A grassy area and a vacant commercial building are located to the east of the subject property. Highway 54/Kellogg Avenue is located immediately to the south. Commercial property operated by American AgCredit is to the west. Residential properties are to the northwest, vacant grass covered lots are to the north, and housing for senior citizens is to the northeast.

4.2 Soils and Geology

The site is located within the Arkansas River Lowlands section of the Central Lowland Physiographic Province. The topography of the province is characterized by the broad, flat valley of the Arkansas River and the gently rolling slopes that rise to the uplands adjacent to the valley (Reference 2).

Soil at the property is classified as Canadian complex. This complex consists of deep, well drained, moderately rapidly permeable soils on alluvial terraces. The silt loam soils (slopes ranging zero to three percent) are well-drained soils occurring in floodplains formed from alluvial parent material (Reference 3).

The site is near the center of the broad 4-mile wide alluvial valley of the Arkansas River. This alluvial valley is comprised of unconsolidated sediments - terrace deposits of Illinoisan age of the Pleistocene epoch. The unconsolidated sediments consist of bedded sand, silt, and clay deposits of varying thickness and composition. The unconsolidated deposits are underlain by shale bedrock of the Wellington Formation (Permian age). The unconsolidated deposits/Wellington Formation contact is approximately 100-150 feet below ground surface (bgs) (References 1, 2).

4.3 Hydrogeology

The terrace deposits of unconsolidated sediment within the Arkansas River valley make up the principal aquifer of the site. Groundwater is generally encountered at 30-40 feet bgs. Groundwater flow direction is south-southeast. The less permeable Wellington Formation is the lower boundary of the alluvial aquifer (References 1, 2).

5.0 Receptors

A search of the Kansas Geological Survey water well completion records (Form WWC-5) identified 342 domestic wells within one mile of the site (Reference 4). There are 2.53 persons per household in Sedgwick County, which equates to 865 potential drinking water targets associated with domestic wells (Reference 5). However, this estimate of the groundwater targets is limited by the WWC-5 water well record database, which only contains records of wells drilled since 1975.

Four City of Goddard PWS wells are located approximately 2.5 miles west-southwest. A public water supply (PWS) well identified as Penalty Box LLC Well 01 is located approximately 3.5 miles south. Three Sedgwick County Rural Water District wells are located approximately 3.5 miles northwest. Three PWS wells identified as Occidental Chemical Corp. are located approximately four miles south-southwest. Eight City of Wichita PWS wells are located approximately four miles east-northeast.

Approximately 77 PWS wells provide 35% of the public water supply for the City of Wichita. The other 65% of the water supply is supplied from a surface water intake on Cheney Lake, located 20 miles west-northwest of the site (Reference 6). The population of the City of Wichita is 372,186.

6.0 Assessment Activities

6.1 Description of Field Activities

On March 11-12, 2013, Mike LaBuda and Jon Vopata collected groundwater samples at the Standard Products/West Kellogg site utilizing a 4200 Model Geoprobe direct-push unit.

Locations SE-1, SE-2, SE-4, SE-5, SE-6, and SE-7 were sampled by advancing a drop-screen groundwater sampler to approximately thirty-four feet bgs. Location SE-3 was sampled by advancing a mill-slot sampler to approximately thirty-four feet bgs. Groundwater immediately entered the sampler and Geoprobe rods at all sample locations.

Using a stainless steel check valve and polyethylene tubing, approximately one liter of groundwater was purged directly from the sampler and rods. Following the purge, the tubing was removed from the rods, the check valve was removed, and groundwater was allowed to gravity drain into the sample containers.

Groundwater samples were collected into three unacidified 40-milliliter glass vials and capped with a Teflon septa. The samples were labeled and placed into an ice filled cooler for transportation to Kansas Health and Environmental Laboratories for analysis of VOCs by EPA Method 8260.

A duplicate groundwater sample labeled 'SE-4d' was collected at sample location SE-4. During sampling activities most direct push sampling equipment was used only once however, equipment that was reused was decontaminated between samples. After all groundwater samples were collected open holes were filled with bentonite.

6.2 Sampling Plan Deviations

There were no remarkable deviations from the approved sampling plan.

6.3 Quality Assurance and Quality Control

Quality assurance was achieved by sampling in agreement with the appropriate standard operating procedures in accordance with KDHE's Generic Quality Assurance Project Plan and the Site Specific Quality Assurance Project Plan Addendum. Samples were collected as stated in the Field Sample Outline for the Standard Products/West Kellogg Site Evaluation.

The duplicate sample 'SE-4d' had a toluene detection of 0.51 ug/L, sample SE-4 did not have a toluene detection above 0.5 ug/L. Based on these toluene detections, a relative percent difference of sample SE-4 and its duplicate cannot be calculated. The detection of toluene in SE-4d was very close to the detection limit of 0.5 ug/L.

7.0 Assessment Results

PCE, trichloromethane (chloroform), and toluene were the only analytes reported above the laboratory reporting limit of 0.5 ug/l. Toluene was detected in groundwater samples SE-3, SE-4D, and SE-6 at respective concentrations of 0.76 ug/L, 0.51 ug/L, and 0.89 ug/L; all well below the EPA maximum contaminant level (MCL) and residential groundwater Risked-based Standard for Kansas (RSK) level of 1,000 ug/L. Chloroform was detected in groundwater sample SE-5 at a concentration of 0.5 ug/L; below its respective MCL and RSK level of 80 ug/L. PCE was detected in groundwater sample SE-5 at a concentration of 7.4 ug/L; above its respective MCL and RSK level of 5.0 ug/L. PCE was also detected in groundwater samples SE-2 and SE-3 at respective concentrations of 4.9 ug/L and 3.9 ug/L; both below the MCL and RSK level (Reference 7).

8.0 Conclusions

Standard Products at 7920 West Kellogg was identified as a former aviation instrumentation repair facility. In December 2009 a UFA investigation of the property identified a release of PCE to groundwater.

During the 2013 SE, groundwater samples were collected from seven locations upgradient (north to northwest) of the subject property. Two samples (SE-2 and SE-3)

collected immediately north of the subject property indicated PCE at concentrations below MCL and KDHE RSK levels. One sample (SE-5) collected north-northwest of the subject property indicated a PCE concentration exceeding the MCL and KDHE RSK levels. This data suggest a PCE source upgradient (north-northwest) of the subject property.

Properties to the north-northwest (upgradient) of the subject property are primarily residential. Various commercial properties are located near the intersection of Central and Tyler; approximately 1.4 miles north-northwest.

Since PCE has been reported at concentrations exceeding the MCL and KDHE RSK levels and no source area has been identified, further assessment under § 300 of the NCP is recommended for the Standard Products/West Kellogg site.

9.0 References

(1) Kansas Department of Health and Environment, Bureau of Environmental Remediation, Remedial Section. *Standard Products/West Kellogg Site, Unified Focus Assessment Report,* C2-087-72515. December 2009.

(2) Lane, C.W., and Miller, D.E. *Geohydrology of Sedgwick County, Kansas,* Bulletin 176, Kansas Geological Survey, University of Kansas Publications; Lawrence, Kansas. 1965.

(3) United States Department of Agriculture Soil Conservation Service, in cooperation with Kansas Agricultural Experiment Station. *Soil Survey of Sedgwick County, Kansas*. 1979.

(4) Water well completion records form, WWC-5, available at: http://www.kgs.ku.edu/. Accessed March 28, 2013.

(5) United States Census Bureau. (2000). *Sedgwick County Quickfacts from the U.S. Census Bureau*. Retrieved August 15, 2012 from http://quickfacts.census.gov/qfd/states/20/20173.html.

(6) Kansas Department of Health and Environment, Public Water Supply Database. Accessed internally on March 28, 2013.

(7) Kansas Department of Health and Environment, Bureau of Environmental Remediation, *Risk-Based Standards for Kansas, RSK Manual – 5th Version*. October 2010.

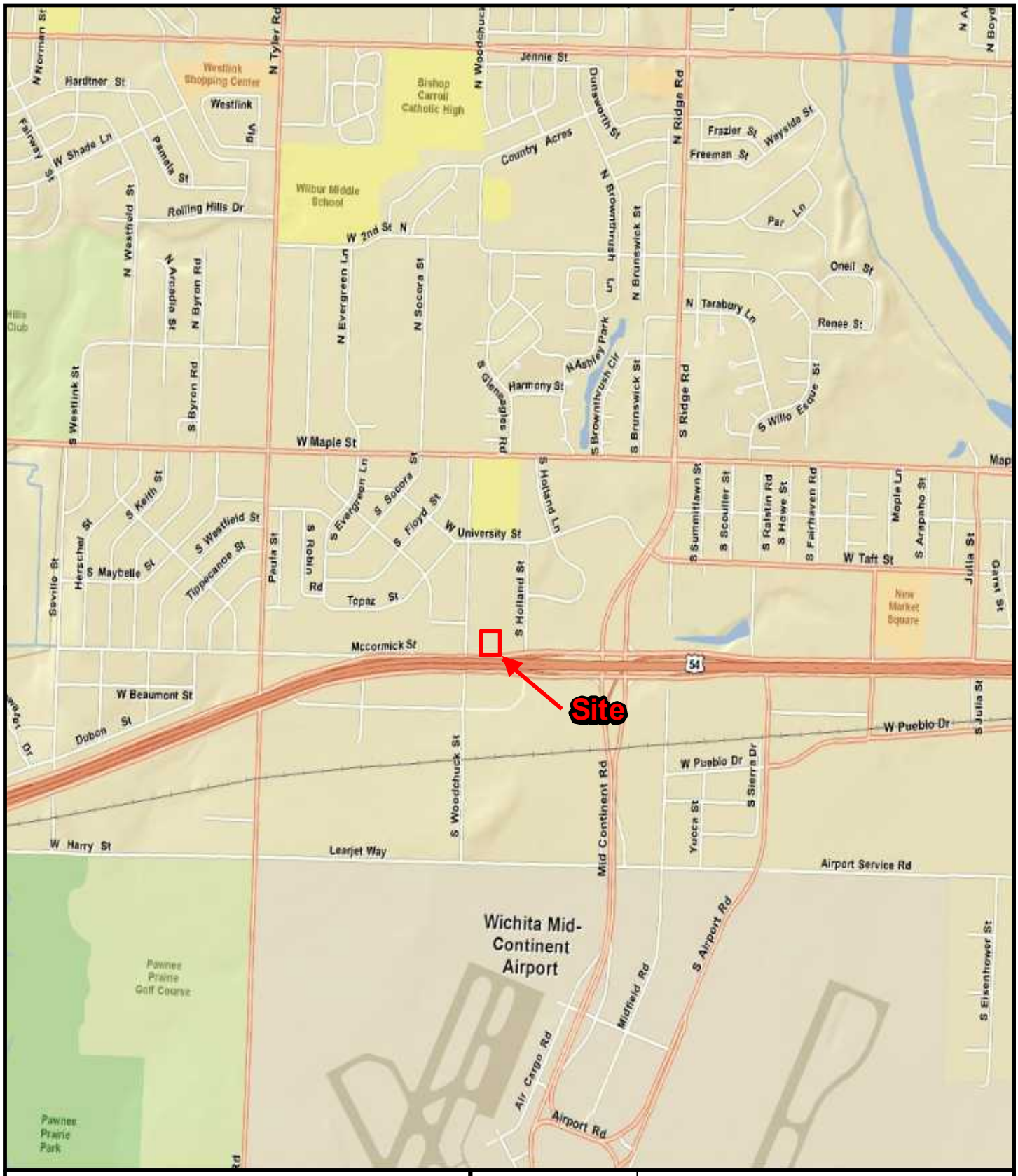
10.0 Appendices

10.1 Tables & Figures

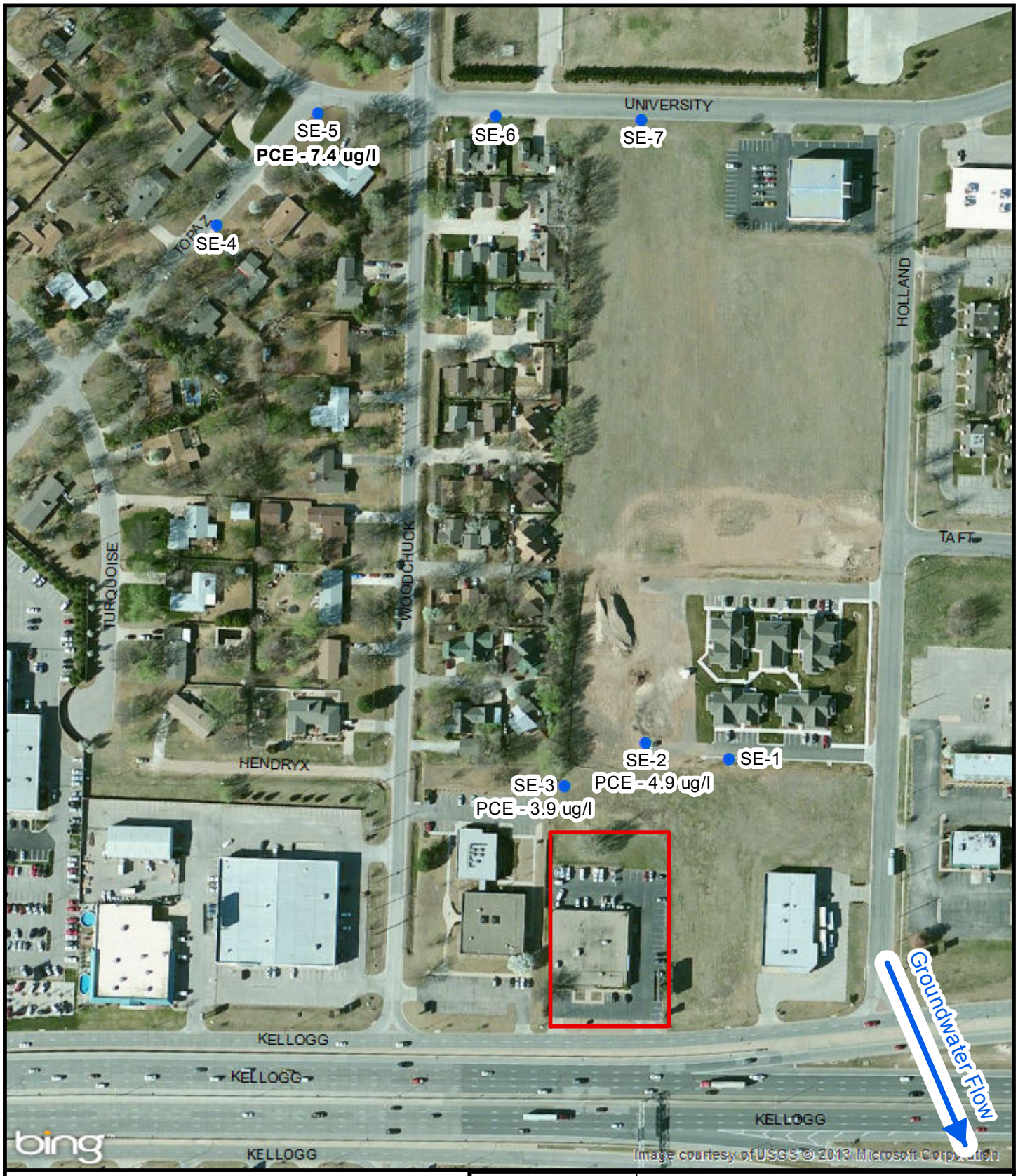
Table 1: Groundwater Analytical Results
Project Phase: Site Evaluation
Standard Products/West Kellogg Site
KDHE Project Code: C2-087-72515

Sample	Date Collected	Tetrachloroethylene (PCE)	Trichloromethane (Chloroform)	Toluene
RSK: Groundwater Pathway		**5**	**80**	**1,000**
SE-1	3/12/2013	<0.5	<0.5	<0.5
SE-2	3/12/2013	4.9	<0.5	<0.5
SE-3	3/12/2013	3.9	<0.5	0.76
SE-4	3/12/2013	<0.5	<0.5	<0.5
SE-4D (SE-4 dup)	3/12/2013	<0.5	<0.5	0.51
SE-5	3/12/2013	**7.4**	0.5	<0.5
SE-6	3/11/2013	<0.5	<0.5	0.89
SE-7	3/11/2013	<0.5	<0.5	<0.5

Notes: All units in micrograms per Liter (ug/L)
RSK - Residential Risk-Based Standards for Kansas (Groundwater Pathway)
Bold values indicate laboratory results or reporting limit is above the respective RSK



SITE: **Standard Products/West Kellogg**				
TITLE: **Area Map**				
		PROJECT PHASE:	Site Evaluation	
DRAWN BY:	JV	2/27/13	BASEMAP DATE:	2008
CHECKED BY:	JV	2/27/13	**Figure 1**	



SE Groundwater Sample Location

Standard Products/West Kellogg Site

N

0 125 250 500

Feet

Kansas Department of Health and Environment

SITE: Standard Products/West Kellogg				
TITLE: PCE Detections in Groundwater				
PROJECT PHASE:		Site Evaluation		
DRAWN BY:	JV	2/27/13	BASEMAP DATE:	2012
CHECKED BY:	JV	2/27/13	Figure 2	

10.2 Photographic Documentation

Photo # 1

Photo Date: 3/12/2013

Photographer: J. Vopata

Viewing Direction: N

Caption:

Groundwater probe location SE-1.

Photo # 2

Photo Date: 3/12/2013

Photographer: J. Vopata

Viewing Direction: E

Caption:

Groundwater probe location SE-2.

Photo # 3

Photo Date: 3/12/2013

Photographer: J. Vopata

Viewing Direction: N-NE

Caption:

Groundwater probe location SE-3.

Photo # 4

Photo Date: 3/12/2013

Photographer: J. Vopata

Viewing Direction: NE

Caption:

Groundwater probe location SE-4.

Photo # 5

Photo Date: 3/12/2013

Photographer: J. Vopata

Viewing Direction: E

Caption:

Groundwater probe location SE-5.

Photo # 6

Photo Date: 3/12/2013

Photographer: J. Vopata

Viewing Direction: S

Caption:

Groundwater probe location SE-6.

STANDARD PRODUCTS/WEST KELLOGG **C2-087-72515**

Photo # 7

Photo Date: 3/12/2013

Photographer: J. Vopata

Viewing Direction: NW

Caption:

Groundwater probe location SE-7.

10.3 Analytical Data

C2-087-72515

KANSAS HEALTH AND ENVIRONMENTAL LABORATORIES

Kansas Department of Health and Environment

Forbes Field, Bldg. 740, Topeka, Kansas 66620-0001

REPORT OF ANALYSIS

ORGANIC CHEMISTRY

Report To: BUREAU OF ENV. REMEDIATION
Address: JON VOPATA, CURTIS SOB, SUITE 410
TOPEKA, KS 66612

Analysis Code: VG

Lab Number: 593331
Date Rec'd: 03/13/13
Report Date: 03/18/13

Site ID No.:

Acct No: 4EM80
Site: STANDARD PRODUCTS/WEST KELLOGG SE-1
Collected By: VOPATA/LABUDA

Sample Type: WATER
Depth:
Date: 03/12/13
Time: 15:57

Program Code: EP
No. Composited:

VOLATILE ORGANIC COMPOUNDS	CONCENTRATION (ug/L)	Analysis Date	EPA Method
Vinyl Chloride	< 0.50	03/14/13	8260
1,1-Dichloroethylene	< 0.50	03/14/13	8260
Dichloromethane	< 0.50	03/14/13	8260
trans 1,2-Dichloroethylene	< 0.50	03/14/13	8260
cis 1,2-Dichloroethylene	< 0.50	03/14/13	8260
1,1,1-Trichloroethane	< 0.50	03/14/13	8260
Tetrachloromethane	< 0.50	03/14/13	8260
Benzene	< 0.50	03/14/13	8260
1,2-Dichloroethane	< 0.50	03/14/13	8260
Trichloroethylene	< 0.50	03/14/13	8260
1,2-Dichloropropane	< 0.50	03/14/13	8260
Toluene	< 0.50	03/14/13	8260
1,1,2-Trichloroethane	< 0.50	03/14/13	8260
Tetrachloroethylene	< 0.50	03/14/13	8260
Chlorobenzene	< 0.50	03/14/13	8260
Ethylbenzene	< 0.50	03/14/13	8260
Xylene	< 0.50	03/14/13	8260
Styrene	< 0.50	03/14/13	8260
1,4-Dichlorobenzene	< 0.50	03/14/13	8260
1,2-Dichlorobenzene	< 0.50	03/14/13	8260
1,2,4-Trichlorobenzene	< 0.50	03/14/13	8260
Chloromethane	< 0.50	03/14/13	8260
Bromomethane	< 0.50	03/14/13	8260
Chloroethane	< 0.50	03/14/13	8260
1,1-Dichloroethane	< 0.50	03/14/13	8260
2,2-Dichloropropane	< 0.50	03/14/13	8260
Trichloromethane (THM)	< 0.50	03/14/13	8260
1,1-Dichloropropene	< 0.50	03/14/13	8260
Dibromomethane	< 0.50	03/14/13	8260
Bromodichloromethane (THM)	< 0.50	03/14/13	8260
1,3-Dichloropropane	< 0.50	03/14/13	8260
Dibromochloromethane (THM)	< 0.50	03/14/13	8260
1,1,1,2-Tetrachloroethane	< 0.50	03/14/13	8260
Bromoform (THM)	< 0.50	03/14/13	8260
1,1,2,2-Tetrachloroethane	< 0.50	03/14/13	8260
Bromobenzene	< 0.50	03/14/13	8260
1,2,3-Trichloropropane	< 0.50	03/14/13	8260
ortho-Chlorotoluene	< 0.50	03/14/13	8260
para-Chlorotoluene	< 0.50	03/14/13	8260
1,3-Dichlorobenzene	< 0.50	03/14/13	8260
Ethylene Dibromide (EDB)	< 0.010	03/14/13	8260
1,2-Dibromo-3-chloropropane	< 0.020	03/14/13	8260
Fluorotrichloromethane	< 0.50	03/14/13	8260
Dichlorodifluoromethane	< 0.50	03/14/13	8260
Isopropylbenzene	< 0.50	03/14/13	8260
n-Propylbenzene	< 0.50	03/14/13	8260
1,3,5-Trimethylbenzene	< 0.50	03/14/13	8260
tert-Butylbenzene	< 0.50	03/14/13	8260
1,2,4-Trimethylbenzene	< 0.50	03/14/13	8260
sec-Butylbenzene	< 0.50	03/14/13	8260
para-Isopropyltoluene	< 0.50	03/14/13	8260
n-Butylbenzene	< 0.50	03/14/13	8260
Naphthalene	< 0.50	03/14/13	8260
Methyl tert-butyl ether	< 0.50	03/14/13	8260

Chemist: Mary Jane Ayala MJA

< - Not Detected at Indicated Level

Laboratory Customer Service - (785) 296-1620
Laboratory Fax - (785) 296-1641

CZ-087-72575

KANSAS HEALTH AND ENVIRONMENTAL LABORATORIES

Kansas Department of Health and Environment

Forbes Field, Bldg. 740, Topeka, Kansas 66620-0001

REPORT OF ANALYSIS

ORGANIC CHEMISTRY

Report To: BUREAU OF ENV. REMEDIATION
Address: JON VOPATA, CURTIS SOB, SUITE 410
TOPEKA, KS 66612

Analysis Code: VG

Lab Number: 593332
Date Rec'd: 03/13/13
Report Date: 03/18/13

Site ID No.:

Acct No: 4EM80
Site: STANDARD PRODUCTS/WEST KELLOGG SE-2
Collected By: VOPATA/LABUDA

Sample Type: WATER
Depth:
Date: 03/12/13 Time: 15:18

Program Code: EP
No. Composited:

VOLATILE ORGANIC COMPOUNDS	CONCENTRATION (ug/L)	Analysis Date	EPA Method
Vinyl Chloride	< 0.50	03/14/13	8260
1,1-Dichloroethylene	< 0.50	03/14/13	8260
Dichloromethane	< 0.50	03/14/13	8260
trans 1,2-Dichloroethylene	< 0.50	03/14/13	8260
cis 1,2-Dichloroethylene	< 0.50	03/14/13	8260
1,1,1-Trichloroethane	< 0.50	03/14/13	8260
Tetrachloromethane	< 0.50	03/14/13	8260
Benzene	< 0.50	03/14/13	8260
1,2-Dichloroethane	< 0.50	03/14/13	8260
Trichloroethylene	< 0.50	03/14/13	8260
1,2-Dichloropropane	< 0.50	03/14/13	8260
Toluene	< 0.50	03/14/13	8260
1,1,2-Trichloroethane	< 0.50	03/14/13	8260
Tetrachloroethylene	4.9	03/14/13	8260
Chlorobenzene	< 0.50	03/14/13	8260
Ethylbenzene	< 0.50	03/14/13	8260
Xylene	< 0.50	03/14/13	8260
Styrene	< 0.50	03/14/13	8260
1,4-Dichlorobenzene	< 0.50	03/14/13	8260
1,2-Dichlorobenzene	< 0.50	03/14/13	8260
1,2,4-Trichlorobenzene	< 0.50	03/14/13	8260
Chloromethane	< 0.50	03/14/13	8260
Bromomethane	< 0.50	03/14/13	8260
Chloroethane	< 0.50	03/14/13	8260
1,1-Dichloroethane	< 0.50	03/14/13	8260
2,2-Dichloropropane	< 0.50	03/14/13	8260
Trichloromethane (THM)	< 0.50	03/14/13	8260
1,1-Dichloropropene	< 0.50	03/14/13	8260
Dibromomethane	< 0.50	03/14/13	8260
Bromodichloromethane (THM)	< 0.50	03/14/13	8260
1,3-Dichloropropane	< 0.50	03/14/13	8260
Dibromochloromethane (THM)	< 0.50	03/14/13	8260
1,1,1,2-Tetrachloroethane	< 0.50	03/14/13	8260
Bromoform (THM)	< 0.50	03/14/13	8260
1,1,2,2-Tetrachloroethane	< 0.50	03/14/13	8260
Bromobenzene	< 0.50	03/14/13	8260
1,2,3-Trichloropropane	< 0.50	03/14/13	8260
ortho-Chlorotoluene	< 0.50	03/14/13	8260
para-Chlorotoluene	< 0.50	03/14/13	8260
1,3-Dichlorobenzene	< 0.50	03/14/13	8260
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Fluorotrichloromethane	< 0.50	03/14/13	8260
Dichlorodifluoromethane	< 0.50	03/14/13	8260
Isopropylbenzene	< 0.50	03/14/13	8260
n-Propylbenzene	< 0.50	03/14/13	8260
1,3,5-Trimethylbenzene	< 0.50	03/14/13	8260
tert-Butylbenzene	< 0.50	03/14/13	8260
1,2,4-Trimethylbenzene	< 0.50	03/14/13	8260
sec-Butylbenzene	< 0.50	03/14/13	8260
para-Isopropyltoluene	< 0.50	03/14/13	8260
n-Butylbenzene	< 0.50	03/14/13	8260
Naphthalene	< 0.50	03/14/13	8260
Methyl tert-butyl ether	< 0.50	03/14/13	8260

Chemist: Mary Jane Ayala MJA

< - Not Detected at Indicated Level

RECEIVED
MAR 19 2013
BUREAU OF ENVIRONMENTAL REMEDIATION

BER SCANNED
MAR 19 2013

Laboratory Customer Service - (785) 296-1620
Laboratory Fax - (785) 296-1641

C2-097-72515

Kansas Department of Health and Environment

KANSAS HEALTH AND ENVIRONMENTAL LABORATORIES

Forbes Field, Bldg. 740, Topeka, Kansas 66620-0001

REPORT OF ANALYSIS

ORGANIC CHEMISTRY

Report To: BUREAU OF ENV. REMEDIATION
Address: JON VOPATA, CURTIS SOB, SUITE 410
TOPEKA, KS 66612

Analysis Code: VG

Lab Number: 593333
Date Rec'd: 03/13/13
Report Date: 03/18/13

Site ID No.:

Acct No: 4EM80
Site: STANDARD PRODUCTS/WEST KELLOGG SE-3
Collected By: VOPATA/LABUDA

Sample Type: WATER
Depth:
Date: 03/12/13
Time: 17:00

Program Code: EP
No. Composited:

VOLATILE ORGANIC COMPOUNDS	CONCENTRATION (ug/L)	Analysis Date	EPA Method
Vinyl Chloride	< 0.50	03/14/13	8260
1,1-Dichloroethylene	< 0.50	03/14/13	8260
Dichloromethane	< 0.50	03/14/13	8260
trans 1,2-Dichloroethylene	< 0.50	03/14/13	8260
cis 1,2-Dichloroethylene	< 0.50	03/14/13	8260
1,1,1-Trichloroethane	< 0.50	03/14/13	8260
Tetrachloromethane	< 0.50	03/14/13	8260
Benzene	< 0.50	03/14/13	8260
1,2-Dichloroethane	< 0.50	03/14/13	8260
Trichloroethylene	< 0.50	03/14/13	8260
1,2-Dichloropropane	< 0.50	03/14/13	8260
Toluene	0.76	03/14/13	8260
1,1,2-Trichloroethane	< 0.50	03/14/13	8260
Tetrachloroethylene	3.9	03/14/13	8260
Chlorobenzene	< 0.50	03/14/13	8260
Ethylbenzene	< 0.50	03/14/13	8260
Xylene	< 0.50	03/14/13	8260
Styrene	< 0.50	03/14/13	8260
1,4-Dichlorobenzene	< 0.50	03/14/13	8260
1,2-Dichlorobenzene	< 0.50	03/14/13	8260
1,2,4-Trichlorobenzene	< 0.50	03/14/13	8260
Chloromethane	< 0.50	03/14/13	8260
Bromomethane	< 0.50	03/14/13	8260
Chloroethane	< 0.50	03/14/13	8260
1,1-Dichloroethane	< 0.50	03/14/13	8260
2,2-Dichloropropane	< 0.50	03/14/13	8260
Trichloromethane (THM)	< 0.50	03/14/13	8260
1,1-Dichloropropene	< 0.50	03/14/13	8260
Dibromomethane	< 0.50	03/14/13	8260
Bromodichloromethane (THM)	< 0.50	03/14/13	8260
1,3-Dichloropropane	< 0.50	03/14/13	8260
Dibromochloromethane (THM)	< 0.50	03/14/13	8260
1,1,1,2-Tetrachloroethane	< 0.50	03/14/13	8260
Bromoform (THM)	< 0.50	03/14/13	8260
1,1,2,2-Tetrachloroethane	< 0.50	03/14/13	8260
Bromobenzene	< 0.50	03/14/13	8260
1,2,3-Trichloropropane	< 0.50	03/14/13	8260
ortho-Chlorotoluene	< 0.50	03/14/13	8260
para-Chlorotoluene	< 0.50	03/14/13	8260
1,3-Dichlorobenzene	< 0.50	03/14/13	8260
Ethylene Dibromide (EDB)	< 0.010	03/14/13	8260
1,2-Dibromo-3-chloropropane	< 0.020	03/14/13	8260
Fluorotrichloromethane	< 0.50	03/14/13	8260
Dichlorodifluoromethane	< 0.50	03/14/13	8260
Isopropylbenzene	< 0.50	03/14/13	8260
n-Propylbenzene	< 0.50	03/14/13	8260
1,3,5-Trimethylbenzene	< 0.50	03/14/13	8260
tert-Butylbenzene	< 0.50	03/14/13	8260
1,2,4-Trimethylbenzene	< 0.50	03/14/13	8260
sec-Butylbenzene	< 0.50	03/14/13	8260
para-Isopropyltoluene	< 0.50	03/14/13	8260
n-Butylbenzene	< 0.50	03/14/13	8260
Naphthalene	< 0.50	03/14/13	8260
Methyl tert-butyl ether	< 0.50	03/14/13	8260

Chemist: Mary Jane Ayala MJA

< - Not Detected at Indicated Level

Laboratory Customer Service - (785) 296-1620
Laboratory Fax - (785) 296-1641

C2-087-72515

Kansas Department of Health and Environment

KANSAS HEALTH AND ENVIRONMENTAL LABORATORIES

Forbes Field, Bldg. 740, Topeka, Kansas 66620-0001

REPORT OF ANALYSIS

ORGANIC CHEMISTRY

Report To: BUREAU OF ENV. REMEDIATION
Address: JON VOPATA, CURTIS SOB, SUITE 410
TOPEKA, KS 66612

Analysis Code: VG

Lab Number: 593334
Date Rec'd: 03/13/13
Report Date: 03/18/13

Site ID No.:

Acct No: 4EM80
Site: STANDARD PRODUCTS/WEST KELLOGG SE-4
Collected By: VOPATA/LABUDA

Sample Type: WATER

Program Code: EP
No. Composited:
Depth:
Date: 03/12/13 Time: 14:29

VOLATILE ORGANIC COMPOUNDS	CONCENTRATION (ug/L)	Analysis Date	EPA Method
Vinyl Chloride	< 0.50	03/14/13	8260
1,1-Dichloroethylene	< 0.50	03/14/13	8260
Dichloromethane	< 0.50	03/14/13	8260
trans 1,2-Dichloroethylene	< 0.50	03/14/13	8260
cis 1,2-Dichloroethylene	< 0.50	03/14/13	8260
1,1,1-Trichloroethane	< 0.50	03/14/13	8260
Tetrachloromethane	< 0.50	03/14/13	8260
Benzene	< 0.50	03/14/13	8260
1,2-Dichloroethane	< 0.50	03/14/13	8260
Trichloroethylene	< 0.50	03/14/13	8260
1,2-Dichloropropane	< 0.50	03/14/13	8260
Toluene	< 0.50	03/14/13	8260
1,1,2-Trichloroethane	< 0.50	03/14/13	8260
Tetrachloroethylene	< 0.50	03/14/13	8260
Chlorobenzene	< 0.50	03/14/13	8260
Ethylbenzene	< 0.50	03/14/13	8260
Xylene	< 0.50	03/14/13	8260
Styrene	< 0.50	03/14/13	8260
1,4-Dichlorobenzene	< 0.50	03/14/13	8260
1,2-Dichlorobenzene	< 0.50	03/14/13	8260
1,2,4-Trichlorobenzene	< 0.50	03/14/13	8260
Chloromethane	< 0.50	03/14/13	8260
Bromomethane	< 0.50	03/14/13	8260
Chloroethane	< 0.50	03/14/13	8260
1,1-Dichloroethane	< 0.50	03/14/13	8260
2,2-Dichloropropane	< 0.50	03/14/13	8260
Trichloromethane (THM)	< 0.50	03/14/13	8260
1,1-Dichloropropene	< 0.50	03/14/13	8260
Dibromomethane	< 0.50	03/14/13	8260
Bromodichloromethane (THM)	< 0.50	03/14/13	8260
1,3-Dichloropropane	< 0.50	03/14/13	8260
Dibromochloromethane (THM)	< 0.50	03/14/13	8260
1,1,1,2-Tetrachloroethane	< 0.50	03/14/13	8260
Bromoform (THM)	< 0.50	03/14/13	8260
1,1,2,2-Tetrachloroethane	< 0.50	03/14/13	8260
Bromobenzene	< 0.50	03/14/13	8260
1,2,3-Trichloropropane	< 0.50	03/14/13	8260
ortho-Chlorotoluene	< 0.50	03/14/13	8260
para-Chlorotoluene	< 0.50	03/14/13	8260
1,3-Dichlorobenzene	< 0.50	03/14/13	8260
Ethylene Dibromide (EDB)	< 0.010	03/14/13	8260
1,2-Dibromo-3-chloropropane	< 0.020	03/14/13	8260
Fluorotrichloromethane	< 0.50	03/14/13	8260
Dichlorodifluoromethane	< 0.50	03/14/13	8260
Isopropylbenzene	< 0.50	03/14/13	8260
n-Propylbenzene	< 0.50	03/14/13	8260
1,3,5-Trimethylbenzene	< 0.50	03/14/13	8260
tert-Butylbenzene	< 0.50	03/14/13	8260
1,2,4-Trimethylbenzene	< 0.50	03/14/13	8260
sec-Butylbenzene	< 0.50	03/14/13	8260
para-Isopropyltoluene	< 0.50	03/14/13	8260
n-Butylbenzene	< 0.50	03/14/13	8260
Naphthalene	< 0.50	03/14/13	8260
Methyl tert-butyl ether	< 0.50	03/14/13	8260

Chemist: Mary Jane Ayala MJA

< - Not Detected at Indicated Level

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BUREAU OF ENVIRONMENTAL REMEDIATION

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Laboratory Fax - (785) 296-1641

C2-087-72515

Kansas Department of Health and Environment

KANSAS HEALTH AND ENVIRONMENTAL LABORATORIES

Forbes Field, Bldg. 740, Topeka, Kansas 66620-0001

REPORT OF ANALYSIS

ORGANIC CHEMISTRY

Report To: BUREAU OF ENV. REMEDIATION
Address: JON VOPATA, CURTIS SOB, SUITE 410
TOPEKA, KS 66612

Analysis Code: VG

Lab Number: 593335
Date Rec'd: 03/13/13
Report Date: 03/18/13

Site ID No.:

Acct No: 4EM80
Site: STANDARD PRODUCTS/WEST KELLOGG SE-4D
Collected By: VOPATA/LABUDA

Sample Type: WATER

Depth:

Program Code: EP
No. Composited:
Date: 03/12/13 Time: 13:00

VOLATILE ORGANIC COMPOUNDS	CONCENTRATION (ug/L)	Analysis Date	EPA Method
Vinyl Chloride	< 0.50	03/14/13	8260
1,1-Dichloroethylene	< 0.50	03/14/13	8260
Dichloromethane	< 0.50	03/14/13	8260
trans 1,2-Dichloroethylene	< 0.50	03/14/13	8260
cis 1,2-Dichloroethylene	< 0.50	03/14/13	8260
1,1,1-Trichloroethane	< 0.50	03/14/13	8260
Tetrachloromethane	< 0.50	03/14/13	8260
Benzene	< 0.50	03/14/13	8260
1,2-Dichloroethane	< 0.50	03/14/13	8260
Trichloroethylene	< 0.50	03/14/13	8260
1,2-Dichloropropane	< 0.50	03/14/13	8260
Toluene	0.51	03/14/13	8260
1,1,2-Trichloroethane	< 0.50	03/14/13	8260
Tetrachloroethylene	< 0.50	03/14/13	8260
Chlorobenzene	< 0.50	03/14/13	8260
Ethylbenzene	< 0.50	03/14/13	8260
Xylene	< 0.50	03/14/13	8260
Styrene	< 0.50	03/14/13	8260
1,4-Dichlorobenzene	< 0.50	03/14/13	8260
1,2-Dichlorobenzene	< 0.50	03/14/13	8260
1,2,4-Trichlorobenzene	< 0.50	03/14/13	8260
Chloromethane	< 0.50	03/14/13	8260
Bromomethane	< 0.50	03/14/13	8260
Chloroethane	< 0.50	03/14/13	8260
1,1-Dichloroethane	< 0.50	03/14/13	8260
2,2-Dichloropropane	< 0.50	03/14/13	8260
Trichloromethane (THM)	< 0.50	03/14/13	8260
1,1-Dichloropropene	< 0.50	03/14/13	8260
Dibromomethane	< 0.50	03/14/13	8260
Bromodichloromethane (THM)	< 0.50	03/14/13	8260
1,3-Dichloropropane	< 0.50	03/14/13	8260
Dibromochloromethane (THM)	< 0.50	03/14/13	8260
1,1,1,2-Tetrachloroethane	< 0.50	03/14/13	8260
Bromoform (THM)	< 0.50	03/14/13	8260
1,1,2,2-Tetrachloroethane	< 0.50	03/14/13	8260
Bromobenzene	< 0.50	03/14/13	8260
1,2,3-Trichloropropane	< 0.50	03/14/13	8260
ortho-Chlorotoluene	< 0.50	03/14/13	8260
para-Chlorotoluene	< 0.50	03/14/13	8260
1,3-Dichlorobenzene	< 0.50	03/14/13	8260
Ethylene Dibromide (EDB)	< 0.010	03/14/13	8260
1,2-Dibromo-3-chloropropane	< 0.020	03/14/13	8260
Fluorotrichloromethane	< 0.50	03/14/13	8260
Dichlorodifluoromethane	< 0.50	03/14/13	8260
Isopropylbenzene	< 0.50	03/14/13	8260
n-Propylbenzene	< 0.50	03/14/13	8260
1,3,5-Trimethylbenzene	< 0.50	03/14/13	8260
tert-Butylbenzene	< 0.50	03/14/13	8260
1,2,4-Trimethylbenzene	< 0.50	03/14/13	8260
sec-Butylbenzene	< 0.50	03/14/13	8260
para-Isopropyltoluene	< 0.50	03/14/13	8260
n-Butylbenzene	< 0.50	03/14/13	8260
Naphthalene	< 0.50	03/14/13	8260
Methyl tert-butyl ether	< 0.50	03/14/13	8260

Chemist: Mary Jane Ayala MJA

< - Not Detected at Indicated Level

Laboratory Customer Service - (785) 296-1620
Laboratory Fax - (785) 296-1641

C2-087-72515

Kansas Department of Health and Environment

KANSAS HEALTH AND ENVIRONMENTAL LABORATORIES

Forbes Field, Bldg. 740, Topeka, Kansas 66620-0001

REPORT OF ANALYSIS

ORGANIC CHEMISTRY

Report To: BUREAU OF ENV. REMEDIATION
Address: JON VOPATA, CURTIS SOB, SUITE 410
TOPEKA, KS 66612

Analysis Code: VG
Lab Number: 593336
Date Rec'd: 03/13/13
Report Date: 03/18/13

Site ID No.:
Acct No: 4EM80
Sample Type: WATER
Program Code: EP
Site: STANDARD PRODUCTS/WEST KELLOGG SE-5
No. Composited:
Collected By: VOPATA/LABUDA
Depth:
Date: 03/12/13
Time: 14:00

VOLATILE ORGANIC COMPOUNDS	CONCENTRATION (ug/L)	Analysis Date	EPA Method
Vinyl Chloride	< 0.50	03/14/13	8260
1,1-Dichloroethylene	< 0.50	03/14/13	8260
Dichloromethane	< 0.50	03/14/13	8260
trans 1,2-Dichloroethylene	< 0.50	03/14/13	8260
cis 1,2-Dichloroethylene	< 0.50	03/14/13	8260
1,1,1-Trichloroethane	< 0.50	03/14/13	8260
Tetrachloromethane	< 0.50	03/14/13	8260
Benzene	< 0.50	03/14/13	8260
1,2-Dichloroethane	< 0.50	03/14/13	8260
Trichloroethylene	< 0.50	03/14/13	8260
1,2-Dichloropropane	< 0.50	03/14/13	8260
Toluene	< 0.50	03/14/13	8260
1,1,2-Trichloroethane	< 0.50	03/14/13	8260
Tetrachloroethylene	7.4	03/14/13	8260
Chlorobenzene	< 0.50	03/14/13	8260
Ethylbenzene	< 0.50	03/14/13	8260
Xylene	< 0.50	03/14/13	8260
Styrene	< 0.50	03/14/13	8260
1,4-Dichlorobenzene	< 0.50	03/14/13	8260
1,2-Dichlorobenzene	< 0.50	03/14/13	8260
1,2,4-Trichlorobenzene	< 0.50	03/14/13	8260
Chloromethane	< 0.50	03/14/13	8260
Bromomethane	< 0.50	03/14/13	8260
Chloroethane	< 0.50	03/14/13	8260
1,1-Dichloroethane	< 0.50	03/14/13	8260
2,2-Dichloropropane	< 0.50	03/14/13	8260
Trichloromethane (THM)	0.50	03/14/13	8260
1,1-Dichloropropene	< 0.50	03/14/13	8260
Dibromomethane	< 0.50	03/14/13	8260
Bromodichloromethane (THM)	< 0.50	03/14/13	8260
1,3-Dichloropropane	< 0.50	03/14/13	8260
Dibromochloromethane (THM)	< 0.50	03/14/13	8260
1,1,1,2-Tetrachloroethane	< 0.50	03/14/13	8260
Bromoform (THM)	< 0.50	03/14/13	8260
1,1,2,2-Tetrachloroethane	< 0.50	03/14/13	8260
Bromobenzene	< 0.50	03/14/13	8260
1,2,3-Trichloropropane	< 0.50	03/14/13	8260
ortho-Chlorotoluene	< 0.50	03/14/13	8260
para-Chlorotoluene	< 0.50	03/14/13	8260
1,3-Dichlorobenzene	< 0.50	03/14/13	8260
Ethylene Dibromide (EDB)	< 0.010	03/14/13	8260
1,2-Dibromo-3-chloropropane	< 0.020	03/14/13	8260
Fluorotrichloromethane	< 0.50	03/14/13	8260
Dichlorodifluoromethane	< 0.50	03/14/13	8260
Isopropylbenzene	< 0.50	03/14/13	8260
n-Propylbenzene	< 0.50	03/14/13	8260
1,3,5-Trimethylbenzene	< 0.50	03/14/13	8260
tert-Butylbenzene	< 0.50	03/14/13	8260
1,2,4-Trimethylbenzene	< 0.50	03/14/13	8260
sec-Butylbenzene	< 0.50	03/14/13	8260
para-Isopropyltoluene	< 0.50	03/14/13	8260
n-Butylbenzene	< 0.50	03/14/13	8260
Naphthalene	< 0.50	03/14/13	8260
Methyl tert-butyl ether	< 0.50	03/14/13	8260

Chemist: Mary Jane Ayala MJA

< - Not Detected at Indicated Level

Laboratory Customer Service - (785) 296-1620
Laboratory Fax - (785) 296-1641

C2-087-72515

KANSAS HEALTH AND ENVIRONMENTAL LABORATORIES

Kansas Department of Health and Environment

Forbes Field, Bldg. 740, Topeka, Kansas 66620-0001

REPORT OF ANALYSIS

ORGANIC CHEMISTRY

Report To: BUREAU OF ENV. REMEDIATION
Address: JON VOPATA, CURTIS SOB, SUITE 410
TOPEKA, KS 66612

Analysis Code: VG

Lab Number: 593337
Date Rec'd: 03/13/13
Report Date: 03/18/13

Site ID No.:

Acct No: 4EM80
Site: STANDARD PRODUCTS/WEST KELLOGG C2-087-72515 SE-6
Collected By: VOPATA/LABUDA

Sample Type: WATER
Depth:
Date: 03/11/13
Time: 18:08

Program Code: EP
No. Composited:

VOLATILE ORGANIC COMPOUNDS	CONCENTRATION (ug/L)	Analysis Date	EPA Method
Vinyl Chloride	< 0.50	03/14/13	8260
1,1-Dichloroethylene	< 0.50	03/14/13	8260
Dichloromethane	< 0.50	03/14/13	8260
trans 1,2-Dichloroethylene	< 0.50	03/14/13	8260
cis 1,2-Dichloroethylene	< 0.50	03/14/13	8260
1,1,1-Trichloroethane	< 0.50	03/14/13	8260
Tetrachloromethane	< 0.50	03/14/13	8260
Benzene	< 0.50	03/14/13	8260
1,2-Dichloroethane	< 0.50	03/14/13	8260
Trichloroethylene	< 0.50	03/14/13	8260
1,2-Dichloropropane	< 0.50	03/14/13	8260
Toluene	0.89	03/14/13	8260
1,1,2-Trichloroethane	< 0.50	03/14/13	8260
Tetrachloroethylene	< 0.50	03/14/13	8260
Chlorobenzene	< 0.50	03/14/13	8260
Ethylbenzene	< 0.50	03/14/13	8260
Xylene	< 0.50	03/14/13	8260
Styrene	< 0.50	03/14/13	8260
1,4-Dichlorobenzene	< 0.50	03/14/13	8260
1,2-Dichlorobenzene	< 0.50	03/14/13	8260
1,2,4-Trichlorobenzene	< 0.50	03/14/13	8260
Chloromethane	< 0.50	03/14/13	8260
Bromomethane	< 0.50	03/14/13	8260
Chloroethane	< 0.50	03/14/13	8260
1,1-Dichloroethane	< 0.50	03/14/13	8260
2,2-Dichloropropane	< 0.50	03/14/13	8260
Trichloromethane (THM)	< 0.50	03/14/13	8260
1,1-Dichloropropene	< 0.50	03/14/13	8260
Dibromomethane	< 0.50	03/14/13	8260
Bromodichloromethane (THM)	< 0.50	03/14/13	8260
1,3-Dichloropropane	< 0.50	03/14/13	8260
Dibromochloromethane (THM)	< 0.50	03/14/13	8260
1,1,1,2-Tetrachloroethane	< 0.50	03/14/13	8260
Bromoform (THM)	< 0.50	03/14/13	8260
1,1,2,2-Tetrachloroethane	< 0.50	03/14/13	8260
Bromobenzene	< 0.50	03/14/13	8260
1,2,3-Trichloropropane	< 0.50	03/14/13	8260
ortho-Chlorotoluene	< 0.50	03/14/13	8260
para-Chlorotoluene	< 0.50	03/14/13	8260
1,3-Dichlorobenzene	< 0.50	03/14/13	8260
Ethylene Dibromide (EDB)	< 0.010	03/14/13	8260
1,2-Dibromo-3-chloropropane	< 0.020	03/14/13	8260
Fluorotrichloromethane	< 0.50	03/14/13	8260
Dichlorodifluoromethane	< 0.50	03/14/13	8260
Isopropylbenzene	< 0.50	03/14/13	8260
n-Propylbenzene	< 0.50	03/14/13	8260
1,3,5-Trimethylbenzene	< 0.50	03/14/13	8260
tert-Butylbenzene	< 0.50	03/14/13	8260
1,2,4-Trimethylbenzene	< 0.50	03/14/13	8260
sec-Butylbenzene	< 0.50	03/14/13	8260
para-Isopropyltoluene	< 0.50	03/14/13	8260
n-Butylbenzene	< 0.50	03/14/13	8260
Naphthalene	< 0.50	03/14/13	8260
Methyl tert-butyl ether	< 0.50	03/14/13	8260

Chemist: Mary Jane Ayala MJA

< - Not Detected at Indicated Level

RECEIVED
MAR 19 2013
BUREAU OF ENVIRONMENTAL REMEDIATION

BER SCANNED
MAR 19 2013

Laboratory Customer Service - (785) 296-1620
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C2-087-72515

Kansas Department of Health and Environment

KANSAS HEALTH AND ENVIRONMENTAL LABORATORIES

Forbes Field, Bldg. 740, Topeka, Kansas 66620-0001

REPORT OF ANALYSIS

ORGANIC CHEMISTRY

Report To: BUREAU OF ENV. REMEDIATION Analysis Code: VG Lab Number: 593338
Address: JON VOPATA, CURTIS SOB, SUITE 410 Date Rec'd: 03/13/13
TOPEKA, KS 66612 Report Date: 03/18/13

Site ID No.:

Acct No: 4EM80 Sample Type: WATER Program Code: EP
Site: STANDARD PRODUCTS/WEST KELLOGG C2-087-72515 SE-7 No. Composited:
Collected By: VOPATA/LABUDA Depth: Date: 03/11/13 Time: 18:46

VOLATILE ORGANIC COMPOUNDS	CONCENTRATION (ug/L)	Analysis Date	EPA Method
Vinyl Chloride	< 0.50	03/14/13	8260
1,1-Dichloroethylene	< 0.50	03/14/13	8260
Dichloromethane	< 0.50	03/14/13	8260
trans 1,2-Dichloroethylene	< 0.50	03/14/13	8260
cis 1,2-Dichloroethylene	< 0.50	03/14/13	8260
1,1,1-Trichloroethane	< 0.50	03/14/13	8260
Tetrachloromethane	< 0.50	03/14/13	8260
Benzene	< 0.50	03/14/13	8260
1,2-Dichloroethane	< 0.50	03/14/13	8260
Trichloroethylene	< 0.50	03/14/13	8260
1,2-Dichloropropane	< 0.50	03/14/13	8260
Toluene	< 0.50	03/14/13	8260
1,1,2-Trichloroethane	< 0.50	03/14/13	8260
Tetrachloroethylene	< 0.50	03/14/13	8260
Chlorobenzene	< 0.50	03/14/13	8260
Ethylbenzene	< 0.50	03/14/13	8260
Xylene	< 0.50	03/14/13	8260
Styrene	< 0.50	03/14/13	8260
1,4-Dichlorobenzene	< 0.50	03/14/13	8260
1,2-Dichlorobenzene	< 0.50	03/14/13	8260
1,2,4-Trichlorobenzene	< 0.50	03/14/13	8260
Chloromethane	< 0.50	03/14/13	8260
Bromomethane	< 0.50	03/14/13	8260
Chloroethane	< 0.50	03/14/13	8260
1,1-Dichloroethane	< 0.50	03/14/13	8260
2,2-Dichloropropane	< 0.50	03/14/13	8260
Trichloromethane (THM)	< 0.50	03/14/13	8260
1,1-Dichloropropene	< 0.50	03/14/13	8260
Dibromomethane	< 0.50	03/14/13	8260
Bromodichloromethane (THM)	< 0.50	03/14/13	8260
1,3-Dichloropropane	< 0.50	03/14/13	8260
Dibromochloromethane (THM)	< 0.50	03/14/13	8260
1,1,1,2-Tetrachloroethane	< 0.50	03/14/13	8260
Bromoform (THM)	< 0.50	03/14/13	8260
1,1,2,2-Tetrachloroethane	< 0.50	03/14/13	8260
Bromobenzene	< 0.50	03/14/13	8260
1,2,3-Trichloropropane	< 0.50	03/14/13	8260
ortho-Chlorotoluene	< 0.50	03/14/13	8260
para-Chlorotoluene	< 0.50	03/14/13	8260
1,3-Dichlorobenzene	< 0.50	03/14/13	8260
Ethylene Dibromide (EDB)	< 0.010	03/14/13	8260
1,2-Dibromo-3-chloropropane	< 0.020	03/14/13	8260
Fluorotrichloromethane	< 0.50	03/14/13	8260
Dichlorodifluoromethane	< 0.50	03/14/13	8260
Isopropylbenzene	< 0.50	03/14/13	8260
n-Propylbenzene	< 0.50	03/14/13	8260
1,3,5-Trimethylbenzene	< 0.50	03/14/13	8260
tert-Butylbenzene	< 0.50	03/14/13	8260
1,2,4-Trimethylbenzene	< 0.50	03/14/13	8260
sec-Butylbenzene	< 0.50	03/14/13	8260
para-Isopropyltoluene	< 0.50	03/14/13	8260
n-Butylbenzene	< 0.50	03/14/13	8260
Naphthalene	< 0.50	03/14/13	8260
Methyl tert-butyl ether	< 0.50	03/14/13	8260

RECEIVED
MAR 19 2013
BUREAU OF ENVIRONMENTAL REMEDIATION

Chemist: Mary Jane Ayala MJA

BER SCANNED
MAR 19 2013

< = Not Detected at Indicated Level

Laboratory Customer Service - (785) 296-1620
Laboratory Fax - (785) 296-1641

10.4 Field Notes

10:10 - Arrived on Site 28°F Cold Slight Breeze, Sunny
Met with Josh (USC utility locator), showed him probe locations and he indicate he would mark the areas for us.
Noticed city water & sewer lines were marked.
10:45 - Departed Site.
5:00pm - Returned to site w/ LaBuda / 4200
Checked probe locations SE-1, 2, 3.
Area to muddy could not get to probe locations
Mobilized to locations SE-6, SE-7.
Checked Utilities.
Set up probe at SE-6.
Probed to 17ft bgs w/ millslot-dry
23ft " "-dry
29ft " "-dry
Pulled out rods and probed to 32ft bgs w/ drop-screen.
Water began to slowly enter rods.
6:08pm - Collected sample SE-6, 3-unacidified vials.
6:30pm - Mobilized to location SE-7
Probed to 35ft bgs w/ drop-screen sampler
6:46 - Collected sample SE-7; 3 unacidified vials
7:00 - Plugged holes & departed site.
3/11/13 Jm Vaputa

3/12/13 JV

13:00 - Arrived on site Sunny, 50°F, Breezy
Checked probe locations and utilities
waited for LaBuda and 4200.
13:35 - LaBuda arrived with 4200 Geoprobe.
Mobilized to probe location SE-5
Pushed drop-screen sampler to 34 ft bgs
14:00 - Collected GW sample SE-5, 3 unacidified vials
14:10 - Mobilized to probe location SE-4.
Pushed drop-screen sampler to 34 ft bgs
14:29 - Collected GW sample SE-4 and duplicate
sample SE-4d "13:00".
15:00 - Mobilized to probe location SE-2.
Probed to 34 ft bgs w/ drop-screen sampler
15:18 - Collected GW sample SE-2.
15:30 - Mobilized to probe location SE-1.
Probed to 34 ft bgs w/ drop-screen sampler.
15:57 - Collected GW sample SE-1.
Photographed probe locations

SE-6	S
SE-7	NNW
SE-5	E
SE-4	NE
SE-1	N
SE-3	NW
SE-3	SE
SE-2	E

16:45 - Mobilized to probe location SE-3
Probed to 34 ft bgs w/ millslot sampler.
17:00 - Collected GW sample SE-3.
Pulled rods & plugged hole.
17:30 - Departed site.

3/12/13 Jim Vaputh

10.5 Site Evaluation Form

Kansas Department of Health and Environment

Pre-CERCLIS Site Evaluation Form

I. Site Information

Site Name: Standard Products/West Kellogg Site			
Address or location: 7920 W Kellogg			
City: Wichita	County: Sedgwick	State: Kansas	ZIP: 67209
Telephone:	Fax:		
Directions to Site: From Hwy 54/Kellogg Ave. in Wichita, Kansas, Take exit toward Dugan Street, merge onto West Kellogg Road/Frontage Road, site will be to the north.			
Map attached? ☒ In SE Report.			

Requested by: Rick Bean	Agency/Office: KDHE/BER	
Address: 1000 SW Jackson Suite 410		Date of Request: 7/1/2012
City: Topeka	State: Kansas	ZIP: 66612
Phone: 785-296-1675	E-mail: rbean@kdheks.gov	Fax: 785-296-7030

Site Contact: Jon Vopata		
Address: 1000 SW Jackson Suite 410		
City: Topeka	State: Kansas	ZIP: 66612
Phone: 785-296-8063	E-mail: jvopata@kdheks.gov	Fax: 785-296-7030

III. CERCLA Site Screening Response Criteria (see Section V for definitions)

A. Is there a release or threat of release as defined by the NCP? Yes ☒ No ☐
Explain: PCE was detected in groundwater at concentrations exceeding the MCL.

B. Is the source a facility or vessel as defined by the NCP? Yes ☐ No ☒
Explain: The source is unknown.

C. Does the release or threat of release involve a hazardous substance, pollutant, or contaminant as defined by the NCP? Yes ☒ No ☐
Explain: The release is PCE, a hazardous substance.

D. Is the release subject to the limitations on response? Yes ☐ No ☒
Explain: PCE is not excluded under CERCLA.

E. Does the quantity or concentration warrant response? Yes ☒ No ☐
Explain: PCE was detected in groundwater at concentrations exceeding the MCL.

F. Has a PRP been identified? Yes ☐ No ☒

Name:		Telephone:	
Address:	City:	State:	Zip:

G. Document operational and regulatory history: see attached report ☒

H. What is the current land use around the facility? Check all that apply:
Residential ☒ Industrial ☐ Commercial ☒ Agricultural ☐ Recreational ☐

I. Is there an actual or potential exposure to hazardous substances, pollutants or contaminants:

Ground Water: Yes ☐ No ☐ Potential ☒ Receptor:
Explain: PCE concentrations exceed the MCL in groundwater and there are domestic wells within a mile of the site, therefore there is a potential for groundwater exposure.

Surface Water: Yes ☐ No ☒ Potential ☐ Receptor:
Explain: No surface water bodies exist at the site and due to its volatile characteristics the contaminant is unlikely to persist is surface water.

Soil: Yes ☐ No ☐ Potential ☒ Receptor:
Explain: The source and potentially impacted soils have not been identified, until the source is identified and soil samples are collected, there is a potential for soil exposure.

Waste: Yes ☐ No ☒ Potential ☐ Receptor:
Explain: No waste was observed at the subject property.

Air: Yes ☐ No ☒ Potential ☐
Explain: All concentrations detected only in groundwater at 34 feet bgs, thus unlikely to pose an exposure hazard in outdoor air.

J. Is there an actual or a potential for contamination of a drinking water well? Yes ☐ No ☐ Potential ☒

Kansas Department of Health and Environment
Pre-CERCLIS Site Evaluation Form

K. Are there hazardous substances, pollutants, or contaminants in drums, barrels, bulk storage containers, or tanks? Yes ☐ No ☒
Explain: No containers were tanks, drums, etc. were observed on site.

L. Are there high levels of hazardous substances in:
Near-surface soils (< 2 feet below surface)? Yes ☐ No ☒ Unknown ☐
Subsurface soils (> 2 feet below surface)? Yes ☐ No ☒ Unknown ☐
Surficial Waste present? Yes ☐ No ☒ Unknown ☐
Site Accessibility: Secure ☐ Access limited ☐ Readily accessible ☒ Worker population:
Further explanation: There are no fences or barriers surrounding the property.

M. Are there conditions on site that may be susceptible to impact from adverse weather? Yes ☐ No ☒
Explain:

N. Is there a threat of fire or explosion? Yes ☐ No ☒
Explain:

O. Is there a potential for other federal or state response programs? Yes ☒ No ☐
Explain: Contamination could be addressed under the KDHE SCP or VCP programs if a source is identified.

P. Are there endangered species habitats, wetlands, or other sensitive environments nearby which may be adversely impacted by the site? Yes ☐ No ☒
Explain:

Q. Are there other situations or factors that warrant further CERCLA response? Yes ☐ No ☒
Explain:

R. Document economic conditions surrounding the site: commercial

IV. CERCLA Site Screening Findings and Recommendations

A. CERCLA Eligible?

☒ Yes – further CERCLA evaluation is recommended. Cite applicable factors from Section III:
- ☒ A release of a hazardous substance, pollutant or contaminant has occurred;
- ☒ CERCLA Limitations on Response provisions do not apply;
- ☒ No responsible parties are willing/capable to respond at this time;
- ☐ Drums, barrels, and/or containers are, or may be present at the site;
- ☐ The site is susceptible to impact from adverse weather;
- ☒ No other federal or state response mechanisms were identified;
- ☐ The source is a facility as defined by the NCP;
- ☒ Contamination may be present in sufficient quantity and/or concentration;
- ☒ There is an actual or potential exposure threat;
- ☐ There is, or may be, a threat of fire or explosion;
- ☐ There are, or may be, high concentrations of contaminants in surficial soils;
- ☐ There are endangered species, wetlands, or other sensitive environments or receptors that may be impacted by the site.

☐ No - further CERCLA evaluation is not recommended. Cite appropriate factors from Section III:
- ☐ No release has occurred;
- ☐ Not a hazardous substance, pollutant or contaminant;
- ☐ Insufficient quantity or concentration:
- ☐ No actual or potential exposure threats;
- ☐ No high levels of contaminants in surficial soils:
- ☐ Not a facility or vessel;
- ☐ Subject to response limitations;
- ☐ Willing/capable responsible party response;
- ☐ Drums, barrels, and/or containers are, or may be present at the site;
- ☐ Site not susceptible to adverse weather:
- ☐ No threat of fire or explosion;
- ☐ Referred to another program.

B. Removal Action recommended? Yes ☐ No ☒
If yes, cite eligible conditions from § 300.410-300.415 of the NCP to warrant further removal site evaluation:

Kansas Department of Health and Environment
Pre-CERCLIS Site Evaluation Form

V. Definitions

I. **CERCLA** is the Comprehensive Environmental Response Compensation and Liabilities Act, 42 USC §9601 et seq. (as amended).

A **FACILITY** is defined as any building, structure, installation, equipment, pipe or pipeline (including any pipe into a sewer or publicly-owned treatment works), well, pit, pond, lagoon, impoundment, ditch, landfill, storage container, motor vehicle, rolling stock, or aircraft, or any site or area, where a hazardous substance has been deposited, stored, disposed of, or placed, or otherwise come to be located; but does not include any consumer product in consumer use or any vessel.

A **HAZARDOUS SUBSTANCE** means any substance, element, compound, mixture, solution, hazardous waste, toxic pollutant, hazardous air pollutant, or imminently hazardous chemical substance or mixture designated pursuant to the Clean Water Act (CWA), CERCLA, Safe Drinking Water Act (SDWA), Clean Air Act (CAA) or Toxic Substances Control Act (TSCA). The term does not include petroleum products, natural gas, natural gas liquids, liquefied natural gas, synthetic gas or mixtures of natural and synthetic gas.

The LIMITATIONS ON RESPONSE provisions of the NCP [40 CFR 300.400(b)] states that removals shall not be undertaken in response to a release: of a naturally occurring substance in its unaltered or natural form; from products that are a part of the structure of, and result in exposure within, residential buildings or business or community structures; or into public or private drinking water supplies due to deterioration of the system through ordinary use.

NCP is the National Oil and Hazardous Substances Pollution Contingency Plan 40 CFR §300-302.

POLLUTANT or CONTAMINANT includes, but is not limited to, any element, substance, compound, or mixture, including disease-causing agents, which after release into the environment and upon exposure, ingestion, inhalation, or assimilation into any organism, either directly from the environment or indirectly by ingestion through food chains, will or may reasonably be anticipated to cause death, disease, behavioral abnormalities, cancer, genetic mutation, physiological malfunctions or physical deformations, in such organisms or their offspring. The term does not include petroleum products, natural gas, natural gas liquids, liquefied natural gas, synthetic gas or mixtures of natural and synthetic gas. [40 CFR 300.5]

A **RELEASE** is defined as any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment (including the abandonment of barrels, containers, and other closed receptacles containing any hazardous substances or pollutant or contaminant), but excludes: workplace exposures; engine exhaust emissions; nuclear releases otherwise regulated; and the normal application of fertilizer. For purposes of the NCP, release also means threat of release. [40 CFR 300.5]

A **VESSEL** is defined as every description of watercraft or other artificial contrivance used, or capable of being used, as a means of transportation on water other than a public vessel. [40 CFR 300.5]